LITE™

Where Luxury Is Affordable

GS 001
LITE

# Owner's Manual and Warranty

B-090 LITE (ALPINE)
B-100 LITE (NEST)
B-110 LITE (SILVER CLOUD)
B-112 LITE (SILVER CLOUD)
B-120 LITE (OASIS)
B-140 LITE (ELEGANCE)
B-130 LITE (CAMARO)
B-121 LITE (CASTELLO)

DO NOT RETURN MERCHANDISE DIRECTLY TO YOUR ORIGINAL SELLING STORE. CALL MSPA AFTER SALES SERVICE CENTER FOR ANY PRODUCT QUESTIONS. CONTACT US AT *info@the-mspa.com*

www.the-mspa.com

# IMPORTANT SAFETY INSTRUCTIONS

**⚠ WARNING**

For your own safety and that of your equipment, make sure to take the following precautions. Failure to follow warning notices and instruction may result in property damage, serious injury or death. Improper installation or operation will void the warranty

When installation and using this equipment, basic safety precautions should always be followed, including the following:

*Risk of Electric Shock*

**WARNING:** If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard.

**WARNING:** DO NOT use an extension cord to connect spa tub to the power plug; provide a properly located receptacle.

**DANGER:** DO NOT permit any electrical appliances, such as a light, telephone, radio, television, etc, within 1.5m (5 feet) of the spa tub. No appliances are allowed to locate above the spa tub.

**WARNING:** Electrical parts (except the one with extra-low voltage below 12V) must be inaccessible to occupants in the spa tub.

**WARNING:** Electrical parts incorporating any electrical components (except remote control devices) must be properly located so they will not fall into the spa tub.

**WARNING:** It is important only to use a 16A (13A for UK, 10A for Australia& New Zealand) power supply.

**Attention: Static shocks, and how to avoid them**

You'll often find shocks are worst in the winter when the air outside is cold and dry. They may disappear in warmer damper weather. Man-made floor and shoe sole materials have been main factors in most cases of shocks. Static shocks can be a nuisance - but are not generally a health risk.

Tip - if the air in your room is very dry you could try keeping an open wide dish of water handy - this will evaporate and moisten the air nearby.

Tip - cotton clothes are comfortable and usually give no static problems.

Tip - try different shoes to see if some give less problems. Leather soles are often good.

**To avoid static shocks in MSpa, wet body and hands or touch metal stuff to dissipate charge before entering into MSpa.**

**WARNING:** Make sure the residential electrical connection box is located safely (at least 2m) away from the spa pool.

**WARNING:** Make sure the floor is capable of supporting the expected load, which you can find from the specification sheet on page 4, water capacity plus weight.

**WARNING:** An adequate drainage system must be provided to deal with overflow water.

**WARNING:** DO NOT leave the spa tub empty for an extended period; this could damage the spa tub.

**WARNING:** The installation must follow the wiring rules according to local authorities. The disconnection must be intended to ensure a all-pole disconnection.

**WARNING:** Spray head must not be used in the spa tub.

**WARNING:** DO NOT connect the spa tub hose to any taps or fittings other than those specified in the user manual.

**WARNING:** Electric installations should fulfill the local requirements or standards.

**WARNING:** DO NOT use the spa tub when it rains, thunders or lightens.

**WARNING:** This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

**WARNING:** Children should be supervised to ensure that they do not play with the appliance.

**WARNING:** To reduce the risk of injury, DO NOT permit children to use this product unless they are closely su pervised all the times.

**DANGER:** *Risk of Accidental Drowning.* Extreme caution must be exercised to prevent unauthorized access by children. To avoid accidents, ensure that children cannot use this hot spa tub unless they are supervised at all times.
**DANGER:** *Risk of Accidental Drowning.* Always have the spa locked with its top cover after each use.
**WARNING:** DO NOT bury cord. Locate cord to minimize improper use of lawn mowers, hedge trimmers or other equipments.
**WARNING:** DO NOT over pressing down or uplifting the control panel device. Do not put any heavy on control panel device after installation.
**WARNING:** Pets must be kept away from the spa tub to avoid any potential damage.
**WARNING:** Open the spa top cover when the bubble function is operating.
**WARNING:** DO NOT turn on the spa tub when the water is frozen.
**WARNING:** Use only approved spa tub accessories. Use of improper or non-approved accessory will void the manufacturer's warranty.
**WARNING:** *RISK OF ELECTRIC SHOCK* - Install at least 1.5m (5 feet) from all metal surfaces.
**WARNING:** *RISK OF ELECTRIC SHOCK* - Never operate any electrical appliances when the spa tub is in use or when your body is wet. Never place any electric appliance, such as a light, telephone, radio, or television, within 1.5m(5 feet) of spa tub.
**WARNING:** During pregnancy, soaking in hot water may cause damage to the fetus. Limit use to 10 minutes at a time.
**WARNING:** Do not expose the spa tub under sunshine directly.
**WARNING:** Absolutely NO diving or walking on the spa top cover.

**WARNING:** *TO REDUCE THE RISK OF INJURY:*
A. The water in the spa tub should never exceed 42°C. Water temperature between 38°C and 42°C are considered safe for a healthy adult. Lower water temperatures are recommended for young children and when spa tub use exceeds 10 minutes.
B. Since excessive water temperatures have a high potential for causing fetal damage during the early months of preg nancy, pregnant or possibly pregnant women should limit hot spa tub water temperatures to 38°C. If preg nant, please consult your physician before using the hot spa tub.
C. Before entering the spa tub, the user should measure the water temperature with an accurate thermometer since the tolerance of water temperature regulating devices may vary as much as +/- 2°C.
D. The use of alcohol, drugs, or medication before or during hot spa tub use may lead to unconsciousness with the possibility of drowning.
E. Individual suffering from obesity or a medical history of heart disease, low or high blood pressure, circulatory system problems, or diabetes should consult a physician before using a hot spa tub.
F. Individual using medication should consult a physician before using the hot spa tub since some medication may in duce drowsiness, while other medication may affect heart rate, blood pressure, and circulation.

**WARNING:** *TO REDUCE THE RISK OF INJURY*- DO NOT fill water with temperatures exceed 40 °C into the spa tub directly.
**WARNING:** The use of alcohol, drugs, or medication can greatly increase the risk of fatal hyperthermia in hot spa tubs. Hyperthermia occurs when the internal temperature of the body reaches a level several degrees above the normal body temperature of 37°C(98.6 °F). The symptoms of hyperthermia include an increase in the internal temperature of the body, dizziness, lethargy, drowsiness, and fainting. The effects of hyperthermia include failure to perceive heat; failure to recognize the need to exit spa; unawareness of impending hazard; fetal damage in pregnant women; physical inability to exit the spa; and unconsciousness resulting in the danger of drowning.

**WARNING:** Precautions to avoid damage due to water freezing.

**CONSULT YOUR PHYSICIAN FOR RECOMMENDATIONS**
**CAUTION:** The spa should not be setup or left out in temperature lower than 4°C if the heater is not operating.
**CAUTION:** Never use the spa tub when you are alone.
**CAUTION:** People with infectious diseases should not use the spa tub.
**CAUTION:** Do not use the spa tub immediately following strenuous exercises.
**CAUTION:** Always enter and exit the spa slowly and cautiously. Caution of wet floor.
**CAUTION:** To avoid damage to the pump, never turn on the spa tub unless the it is filled with water.
**CAUTION:** Leave the spa tub immediately once feel uncomfortable or sleepy.
**CAUTION:** Never add water to chemical. You can add chemicals to the water to avoid strong fumes or violent reactions that may result in hazardous chemical spray.
**CAUTION:** Place the spa tub only on a properly prepared site that can withstand the floor loading requirement of the tub.

**NOTE:** Please examine equipments before use. See the after sales service centers listed on the last page if you have any questions of damaged products or missing parts. Verify that the equipment components represent the models that you intended to purchase.

*No part of the appliance shall be located above the bath during use.*
*Parts containing live parts, except parts supplied with safety extra-low voltage not exceeding 12V, must be inaccessible to a person in the bath.*
*Parts incorporating electrical components, except remote control devices, must be located or fixed so that they cannot fall into the bath.*
*The appliance should be supplied through a residual current device (RCD) with a rated tripping current not exceeding 30 mA.*

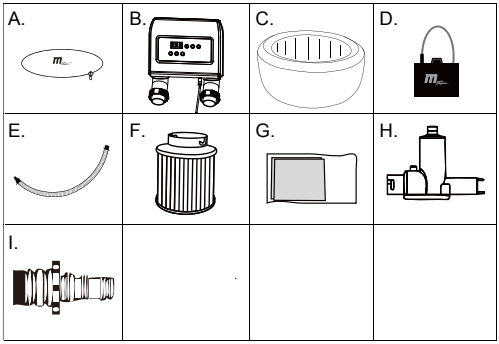
# MSPA LITE SPECIFICATIONS

| Bubble Spa (EU, UK, SW) | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Model No. (Name)** | **B-090 LITE (ALPINE)** | **B-100 LITE (NEST)** | **B-110 LITE (SILVER CLOUD)** | **B-112 LITE (SILVER CLOUD)** | **B-120 LITE (OASIS)** | **B-140 LITE (ELEGANCE)** | **B-130 LITE (CAMARO) B-121 LITE (CASTELLO)** |
| Pool Shape | Square | Oval | Round | Round | Round | Round | Round |
| Seat Capacity | 2 + 2 | 2 | 4 | 6 | 4 | 4 | 4 |
| Water Capacity *(Approx.)* | 650Ltr/171gal | 550Ltr/145gal | 700Ltr/184gal | 930Ltr/245gal | 700Ltr/184gal | 700Ltr/184gal | 700Ltr/184gal |
| Net. Weight *(Approx.)* | 21.5kgs/47.3lbs | 21kgs/46.2lbs | 22kgs/48.4lbs | 26kgs/57.2lbs | 22kgs/48.4lbs | 25kgs/55lbs | 25kgs/55lbs |
| Outside Dimensions | 1.58m/62” | 1.86m x 1.25m/ 73.5” x 49.5” | 1.80m/71” | 2.04m/80” | 1.80m/71” | 1.80m/71” | 1.80m/71” |
| Inside Dimensions | 1.18m/46.5” | 1.46m x 0.85m/ 57.5” x 33.5” | 1.40m/55” | 1.60m/63” | 1.40m/55” | 1.40m/55” | 1.40m/55” |
| Height | 0.68m/27” | 0.68m/27” | 0.70m/28” | 0.70m/28” | 0.70m/28” | 0.70m/28” | 0.70m/28” |
| Control System | 220-240V 50Hz | 220-240V 50Hz | 220-240V 50Hz | 220-240V 50Hz | 220-240V 50Hz | 220-240V 50Hz | 220-240V 50Hz |
| Heater | 1500W/2.04HP | 1500W/2.04HP | 1500W/2.04HP | 1500W/2.04HP | 1500W/2.04HP | 1500W/2.04HP | 1500W/2.04HP |
| Massage Air Blower | 600W/0.8HP | 600W/0.8HP | 600W/0.8HP | 600W/0.8HP | 600W/0.8HP | 600W/0.8HP | 600W/0.8HP |
| Filter Pump | 12V/35W | 12V/35W | 12V/35W | 12V/35W | 12V/35W | 12V/35W | 12V/35W |
| Power Cable Length | 3m/10 feet | 3m/10 feet | 3m/10 feet | 3m/10 feet | 3m/10 feet | 3m/10 feet | 3m/10 feet |
| Top Lid | Polyester laminated PVC with foil | Polyester laminated PVC with foil | Polyester laminated PVC with foil | Polyester laminated PVC with foil | Polyester laminated PVC with foil | Premium PVC leather cover with foil inside | Premium PVC leather cover with foil inside |
| Pool Cover | none | none | none | none | none | Synthetic leather | Synthetic leather |
| Pool Material | Polyester laminated PVC | Polyester laminated PVC | Polyester laminated PVC | Polyester laminated PVC | Polyester laminated PVC | PVC leather | PVC leather |

# INSTRUCTIONS

**NOTE:** Ensure to check all parts are present.

A: Spa top zip cover with aluminum foil inside
*B-090 LITE comes with a top lid, which is connected to ground cloth by buckle instead of zipper and digital lock.*
B: Control panel
C: Spa pool
D: Digital lock (except B-090 LITE)
E: Inflation hose
F: Filter cartridge
G: Repair kit
H: Manometer
I: Drainage hose adapter




**NOTE:** Drawings for illustration purpose only in this manual. Actual product may vary. Not to scale.

**A. Site Requirements**

**WARNING:** The floor has to be capable of supporting the expected load of the spa tub.
**WARNING:** An adequate drainage system has to be provided to deal with overflow water.
**IMPORTANT:** It is extremely important to make sure the spa tub is placed on a structurally-sound surface which will support the weight of the spa, water, and occupants. Flat, smooth and supporting surface is required. Uneven or unsound surfaces can damage the tub and void your warranty. Regardless, it is your responsibility to make sure the site is properly prepared, whether on the ground, on a floor, deck, patio or slab. Level the surface before filling spa with water.

**a) Indoor Installation:**
**Indoor installations have special considerations, be aware of following requirements.**
- Verify the supporting floor structure will accommodate the filled weight of the spa with occupants. A qualified contractor or a structural engineer can help to determine the requirements. The floor where the spa tub is installed must be a nonslip and flat surface.
- A proper drain is essential to indoor installation. Select flooring which provides a good grip for wet feet.
- Humidity is a naturally side effect of indoor spa installation. Determine the effects of airborne moisture on exposed wood, paper and etc in the proposed location. The room should be properly ventilated to allow moisture to escape. Installation of a bathroom fan or other venting system is a good idea to prevent excess condensation in the room.

**Note:** Do not install the spa tub on a carpet or any other materials that could be damaged by moisture.

**b) Outdoor Installation:**
**WARNING: TO AVOID THE ELECTRIC SHOCK, DO NOT USE THE SPA IN THE RAINS.**
It is important to install the spa tub on a firm level surface. If the spa tub is installed outdoors, make sure there are no sharp objects that could damage the unit. The surface must be flat so the spa tub will be placed firmly and properly.
- If outdoors, make sure that the site has adequate drainage so water splashed out during filling, emptying or using the spa will not be able to pool around the spa.
- Do not leave the spa tub exposed to direct sunshine for an extended period.

**Note:**
**1. It is important only to use a 16A (13A for UK,10A for Australia& New Zealand) power supply.**
**2. If have to use an extension cord/connecting cable, please make sure it is for 16A (13A for UK) purpose and for outdoor use.**
**3. For safety reasons, set up spa tub at least a few meters away from power supply and within line of slight of the spa for safety.**

**B. Assembly**

**a)** Unfold the Spa pool from the packaging. Make sure spa and cover top are right side up.
**Note: B-100 LITE includes a side bar, which needs to be placed before filling water to the tub. The side bar helps keeping the spa pool in its proper shape after filling.**
**For B-090 LITE, please spread out the square ground cloth first, the straps attached on ground cloth is for connection with top lid. Then set up spa pool on it.**

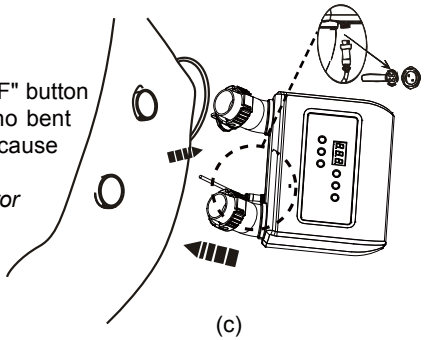
Heat preservation mat (optional) can prevent heat loss from bottom of the unit and provide better heat preservation with together of the inflatable bladder (optional) being used.

It is possible to install and leave the spa tub outside at a temperature below 4°C, but only if the water temperature inside the pool is higher than 4°C and water in pipe is not frozen. The spa tub can be operated in cold weather with temperature down to maximum -10°C if the unit is properly set up and no frozen water inside the control box, pipes or spa pool. It's helpful to put temp barrier mat in between the spa pool and the ground. Similar mat which is made of foam material or other materials with temp barrier function can also be used.

Don't install Mspa onto the lawn as grass may cause air pump damped and rusted which could result the air pump works improperly and will void your warranty.

**b)** Plug in power supply

**c)** Connect the signal line on the control panel. "ON/OFF" button shows red on the control panel if connect correctly, no bent or wet for the pin inside male connector which will cause failure connection.
***Note:*** *The control system has self-check function. Error code F2 or F3 shows on the control panel if there is a electricity leakage after power on. If it is this case, check trouble shooting chart on Pg. 13 for details and guidance.*



(c)

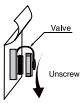
**d)** Screw the control panel onto the spa tub, fasten the ring to the pipe adaptor.

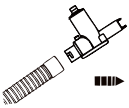
**Precautions:**
1. When using the spa tub outside. Do not use the spa tub in rains as air pump will not working properly.
2. The two O-ring part on the air pipe is important to get the spa tub working properly. Lost of the O-rings could cause air pump rusted or not working properly. Missing of the O-rings also affects bubbling function.

For spa models has PVC leather covers, ensure the pool cover is onto the spa pool body.
**Attention:** The two holes on the leather cover must be positioned to the control panel pipes on the spa pool body.

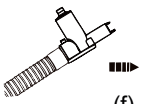
**e)** Open the air valve under the control panel. Screw one end of inflation hose onto it.
**f)** Unscrew the top part of air valve on the Spa. Screw the other end of inflation hose onto Manometer, and then put into the air valve.

(d)



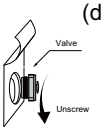



(e)



(f)

(g)




**NOTE:For deflation, unscrew the stopper to deflate the spa pool.**
**After complete deflation, screw the stopper onto the spa pool again**

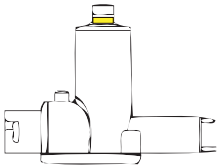
**g)** Press the ON/OFF button and it shows in green, inflate the spa pool by pressing the “bubble” button.

**h)** Check and test the air pressure reaches the appropriate level by using the following steps:

Note: The top white section on the floating-point bar of the manometer only appears when not in use

During inflation, if the yellow section of the manometer is pushed out, the spa inflation is completed. You can fill the spa with water at this point.

**To avoid over inflation caused by warm weather or sunshine when leaving mspa for weeks inflated and filled with water in temperature higher than 20°C, please reduce the air pressure until yellow part just appears on manometer's floating-point bar.**



After water filling is completed, check the air pressure once again to ensure the manometer reaches green section. When you need to inflate the spa again during use, always ensure it points to the green section range.

If the red section of the manometer appears, the spa is over inflated. Press the black button on the manometer, have the air release until you see it points the green section. Recheck the air pressure and make sure it only appears the green section in any term.

**DO NOT OVER INFLATE. OVER INFLATION MAY CAUSE SPA POOL LEAKAGE AND VOID THE MANUFACTURER WARRANTY.**

**i)** If over inflated, press the “bubble” button again to stop inflating. Remove the inflation hose from the air valve on the spa pool. Screw the cover to the valve once the air pressure inside the pool is tested to be suitable.

**j) Water filling**

Using a garden hose to fill the spa tub with water. Water level must be in between of the maximum and minimum water lines printed inside the spa wall.

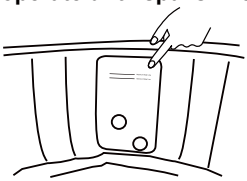
**WARNING:**

1. **Fill in water carefully especially for the first time of use. Water level must reach the minimum water line but not exceed the maximum water line, otherwise it may cause pump failure.**

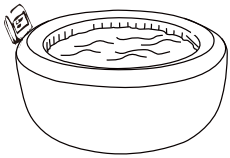
**2. Please avoid water spillage which will cause damage to the electric parts.**

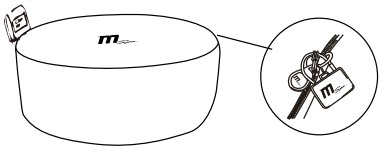
3. After filling in water, please check air pressure again and make sure the green section appears on the manometer. when the spa needs to be inflated more, always make sure the manometer reaches the green section. When needs to inflate more air during use, please make sure it reads in green sector in any term.
4. Please reduce the air pressure to the yellow sector of manometer, to avoid over inflation due to warm weather or sunshine etc. after leaving Mspa for weeks inflated.

**Warning: to avoid function failure and damage to the control system, please do not operate until spa is filled with water to the minimum water mark.**



(j)





(k)

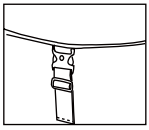
**k)** Place the zipper cover onto the spa , fasten the zipper and lock the cover to the spa by using the digital lock in the accessory pack.

**Note:**

**Please remember to test and adjust the air pressure inside of spa pool before each time of use.**

**Please cover zipper with wax once a week so as to make it smooth for operation and avoid split.**

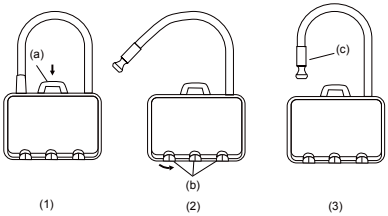
***Note: For B-090 LITE, place the top lid onto the spa, connect to ground cloth by buckle for heating or safety when not in use.***



*For B-090 LITE Only.*

## How to change the combination of digital lock:

**Original combination is set as 000**




1) Push the release button(a) in the direction of the arrow shown and the lock will be released.
2) Set your desired combination by move the number wheel(b). Please do not forget to press your new combination.
3) Insert back the steel cable(c) to its end in the direction of the arrow. The new combination is ready for use.

**WARNING: Do not move the number wheels while the digital lock is open. Or you will change the combination you just set. This will unable the digital lock.**

**WARNING: The cover is not a substitute for adult supervision; Children must be supervised at all times around the spa tub.**

**WARNING: Water attracts children; Always attach the spa cover and lock it after each use.**

# POWER PACK OPERATION

**Warning: to avoid function failure and damage, please do not operate until spa is filled with water to the minimum water mark.**
It is the owner's responsibility to make sure the installation conditions are met and the following safety and warning rules are exercised. Any failure and damage which result from dry-run, water spillage, excessive humidity, or structural loading will void the warranty.

**Control Panel Instruction:**

"ON/OFF" Button: Default stand by mode shows red when the power is on. Press again, the control reaches operative mode and turns to green. The power consumption of the stand by mode is within 0.5W.

1. "BUBBLE" Button: To activate Bubbling function. The bubbling system has a 20-minute operation auto shut down for 10-minutes feature. The light of Bubble button is on when being activated.
**Note:** If the Bubble function works for over 15 mins and is stopped manually, you will need to wait for 10 minutes to activate the Bubble function again.

2. "FILTER" Button: To activate Filtration system.
The light of "FILTER" button is on when the filtration system is activated.

3. "HEATER" Button: To activate Heating and Filtration system at the same time. (Filtration system cannot be turned off when heating)

4. TEMPERATURE "UP" Button: Increase temperature

5. TEMPERATURE "DOWN" Button: Lower temperatrure

**NOTE:** The set temperature defaults to 38°C be in operative mode.
**NOTE:** Temperature can be adjusted between 20°C and 42°C.

When pressing "TEMPERATURE ▲" for 3 seconds, LED starts to flash and then you can set your desired temperature by pressing up "▲" and down " ▼ " buttons. After temperature is set, you may press the temperature button again or leave it for 10 seconds and then it'll display current water temperature.

**NOTE:** In case when leaving spa under unattended working condition, you can press down "▼" then up "▲" buttons to lock the control panel to avoid any wrong operation by children. To unlock, press down" ▼ " then up " ▲ " buttons again, it unlocks after "D" sound.

The "HEATER" button displays green color by press, later turns into red automatically after 10 seconds when the heating system is activated.
**NOTE:** It's normal that filtration system cannot be turned off individually when it is working.
**NOTE: Filtration function can only be turned off by pressing "HEATER" button but not "FILTER" button.**

The heater will be stopping heating until the current water temperature reaches the set temperature. After the set temperature is reached, the "FILTER" button will be off and "HEATER" button shows green. After the current water temperature drops 2°C below the set temperature, the heating system will restart and light turns into red. The "FILTER" button will be activated automatically at the same time. The heat increase rate is maximally 1.2 to 2.5°C per hour.

Please note that the following conditions will lead to slow heating without heating phenomenon:
1. Environmental temperature lower than 10°C
2. Outdoor wind force above Gentle breeze/F 3

3. Environmental temperature lower than 10°C and wind power above Gentle breeze/F 3
4. Activate bubbling system when heating
5. Spa lid is not covered or improperly covered when heating

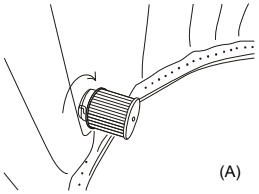
**It is recommended to fill spa tub with luke warm water for quick heating and energy saving.**

**Maintaining Spa Water**

Poor water quality can be extremely hazardous to your health. We recommend you do following things:

**A: Please use filter cartridge.**

Screw the filter onto the water inlet (lower fitting) on the spa wall by turning it clockwise

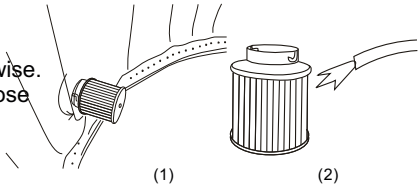



**Note:** Do not use filter cartridge when only to heat water or to ensure good heating performance. To avoid that the filter cartridge get damaged, do not use the filter when there are children or more than two persons in the pool. After finish using, replace the filter cartridge.

**B: Clean your filter cartridge at least once a time after it worked continuously for 72~120 hours. The filter cartridge should be replaced at least once a week depending on use.**

**Please make sure to unplug the power pack from the electrical receptacle before the following actions.**

1. Unscrew the filter cartridge by turning it counterclockwise.
2. The Filter Cartridge can be rinsed off with a garden hose and reused. However, if the Filter Cartridge remains soiled and discolored the Filter Cartridge should be replaced .




The MSpa filter cartridge has a lifetime of approx. 6 weeks even it's well maintained. If the paper wall in the filter still looks new, it means the filter can be used for a few more weeks. We suggest preparing more than one filter so you can switch between the two filters when one of them is being cleaned. Make sure the filter must be totally dry up before use again. If dusts in the water looks obvious, change the filter frequently.

C: Change water every few days or use appropriate pool chemicals. All spas require the use of pool chemicals. Please consult your local pool supply retailer for more information about chemical maintenance. Pay close attention to the chemical manufacturer's instructions. Spa damage resulting from misuse of chemicals and mismanagement of spa water is not covered by the warranty.

**a. Water Balance:** we recommend maintain your water pH between 7.2 and 7.8, total alkalinity between 80 and 120ppm and free chlorine between 3 to 5ppm. Use test strip to test your water chemistry before each use of the spa, no less than once per week. Low pH will damage to the spa and pump. Damaged resulting from chemical imbalance is not covered by the warranty.

**b. Water Sanitation:** Water Sanitation is the responsibility of the spa owner, achieved through the regular and periodic (daily, if necessary) addition of an approved sanitizer. The sanitizer will chemically control the bacteria and viruses present in the fill water or introduced during use of the spa.

**Note:**
1. **Leftover chemical from any sources should not be used in the spa tub.**
2. **Use chlorine powder not tablets to clean the water. Dissolve the power before pour into water.**
3. **Do not mix the water with any bath oil or bath salt.**
4. **Only use clean water to fill the spa tub. Salted water could damage the pump and filter**

## Special Notice on Water Treatment

Please read about water quality and filter in user manual. Always shower before you enter your MSpa!
Please use test strip to test your water chemistry before each use of the spa, no less than once per week.

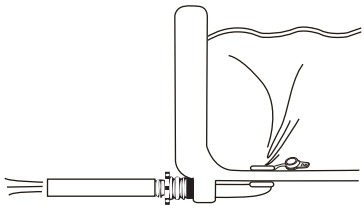
The pH level must be between 7.2 and 7.8, total alkalinity between 80 and 120ppm and free chlorine between 3 to 5ppm. Too low of a pH level will result in excessive wrinkles and damage to the spa pool as well as corrosion in the motor unit. Too high of a pH level(hard water) will result in scale incrustation, e.g. sheets of white coagulations inside the filter pump, which will lead to block and non-working of the filter pump.

If you have any questions regarding chemicals, please contact local spa and pool water treatment specialist stores.

It is the responsibility of the owner to properly maintain the chemical balance and sanitation of the water. Mspa is not responsible for any damages that result from improperly mantained water. Improper water maintenance may result in voiding the warranty.

**Spa Cleaning**
Detergent residues or dissolved solids from bathing suits and chemicals will gradually accumulated in the water. If any dirt is visible in the water, change the water and clean the pool. Use a mild cleaner to wash the inner vinyl of the spa tub and rinse with clean luke warm water.
**NOTE:** Do not use hard brushes or abrasive cleaners.

**Drainage**
1. Turn off all the buttons on the control panel.
2. Unscrew the valve on outside of the spa pool till it is detached from the drainage structure, then connect the drainage hose adapter.
3. Find your garden hose and connect on to the drainage hose adapter in the other end.
4. Pull and open the cover of the drainage structure inside of the spa pool, water will flow out
5. Tilt the spa until no water flow out to empty the spa completely.



**DO NOT leave your MSpa full of water if you will be away for awhile and no one can take care of the pool. Drain the water before you leave and deflate the spa pool body a bit.**

**Spa Pool Repair**
If the spa pool body is damaged, use the repair patch provided in the package. Clean and dry the damaged area in order to prevent dust and dirt from getting on the tacky glue. Apply glue to the PVC of the repair patch and quickly attach it onto the damaged surface. Smooth the surface to remove any air bubbles and allow it dry for roughly 3-10 minutes. A secure and unnoticeable can usually be made.

**Spa Storage**
After the spa is drained, operate the Bubble function for another 20 minutes to dry the bottom ring. Unscrew the complete part of the air valve on the spa pool and the spa will be deflated.

Make sure all water is drained from the spa tub and the control box. This is essential to extend the life of the spa. You could also use a vacuum or hair blower to suck up or blow out the water from the pipe and pump lines. Filter cartridge also needs to be removed. It is recommended to store the spa tub in the original packaging box. Store the tub in a warm and dry place.

**NOTE:** Make sure all components are completely dry and clean before packaging. Store the spa tub safely in a warm and dry condition. Exposure to sunshine is not recommended. Plastic can becomes brittle and susceptible to breakage when exposed to a sub-zero temperature environment. Icy weather or store below sub-zero temperature can severely damage the spa tub. Improper winterization of your MSpa may void your warranty.

**Spa checklist before unpack the unit and re-use for the new season:**
In order to have your MSpa runs smoothly and easily for another new season, make sure you do the follow:
1. Check if there is water in the air pipe. If any water is found, dry the air pipe before operating the spa tub.
2. Connect control panel correctly, turn on the spa tub, check if LED displays correctly and if the signal cable is connected properly.
3. Check and clean water inlets and outlets to make sure they are not blocked.
4. Press ON / OFF button on the control panel, open bubble function, check if it operates properly.
5. After doing the above steps, your MSpa should be ready for use. Enjoy it!

*Any damage caused by improper storage or failure to do the checklist of reuse will void your warranty.*

**Correct Disposal of this product**

1.

This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.

2.This product contains valuable materials that can be recycled and contributed to a sustainable environment.
3.For recovery, recycling and dismantling information for this product, please visit us at *www. the-mspa. com*

**TROUBLESHOOTING**
Mspa® strives to provide the most trouble-free spas on the market. If you experience any product related problems, do not hesitate to contact us or your local after sales service center. Here are some helpful tips to help you to diagnose and rectify some common sources of trouble.

* For any spare parts you need for replacement, please refer to the warranty policy for replacing details.
* For any other unknown failures out of the list, please contact your national or regional MSpa service center.

| Problems | Probable Causes | | Solutions |
|---|---|---|---|
| **Control panel/display panel stays stand by mode and no function works** | It takes control system 5 seconds to do self-check after power on every time | | If it happends due to abnormal interruption of power supply, please wait for more than 5 seconds after power on, then try again. |
| | Please use detect mode by pressing up" ▲" & ON/OFF buttons to find out the fault point, which takes about 1 minute and will show error code on control panel only 2 seconds, then back to sandy by mode. | error code SPL, temperature lower than zero degree | Please check if there is any water frozen inside the spa and control box, use warm water to melt and get water temperature higher than zero degree. |
| | | error code SPH, temperature lower than 60 degree | Please check if the water outlet is blocked, need to clean it.<br>If not the outlet issue, do not use the spa. Please contact your country MSpa service center to report the error code and get help. |
| | | error code F1 | Please check if the water outlet is loose, then screw it tight; or water inlet is blocked, need to clean it; or water doesn't reach to the minimum water line, then fill more to reach the water line.<br>If not these issues, do not use the spa. Please contact your country MSpa service center to report the error code and get help. |
| | | error code F2 | Failure is about leakage of electricity or power supply. Do not use the spa. Please contact your country MSpa service center to report the error code and get help. |
| | | error code F3 | |
| | | error code F4 | |
| | | error code F5 | |
| | | error code CEF | Signal line connection failure. Please connect the signal line again, make sure pins inside are well connected. |
| | | **Please always write down the error code, and report to Mspa service center for help if you are unable to solve the problem.** | |
| **The spa pool has got a strange shape** | Extra air pressure by strong sunshine | | Please check the air pressure. The bath tub can get an abnormal shape if the pressure is too high due to strong hot sunshine. Normally this happens only if the air pressure have been to high due to direct sunshine.<br>Smart investment is to buy a spa cover at your MSpa dealer or their webshop. This will protect your pool from UV and pollution. |
| **The spa pool looses air pressure** | Air valve looses | | Please drain out all the water from your pool if necessary and possible. Try to use some Vaseline or similar to grease the rubber gaskets in the air valve and in the part to open to fit the black tube into the panel. Fill up the inflatated tub with air. |
| | Hole or split on spa pool | | Use a spray bottle with a mild detergent to be able to see the air leak when it's coming some small soap bubbles. Try to find the air leak on both sides of the inflated tub part and pvc glue. hole or split within size of 10cm and not in welding seam part can be repaired by material swatches provided in repair kit. |
| **Spa leakage** | Inlet and outlet loose | | If there are water leakage like tear drops, it's ok for use, and you only need to screw them tight. |
| | Drainage valve | | Please check the o-ring and replace if necessary, and make screws tight if they loose. |

***For any spare parts you need for replacement by yourself as mentioned in the list, please refer to the warranty policy in detail.**

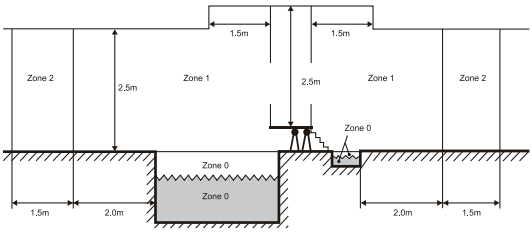
***For any other unknown failures out of the list, please contact your country MSpa service center.**

# WATER PROTECTION LEVEL

**Warning:** Water protection levels of appliance at different product zones are different see the following scheme.

**NOTE** - The measured zone dimensions are limited by walls and fixed partitions.

Figure 702A - Zone dimensions of swimming pools and padding pools.




**SAFETY & ANNOUNCEMENTS**

a. A local supplementary equipotent bonding shall connect all extraneous conductive parts in zones 0, 1 and 2 with protective conductors of all exposed conductive parts situated in these zones.

b. The measures of protection by non-conducting location and by earth-free equipotent bonding are not permitted.

c. Electrical equipment shall have at least the following degrees of protection:
In Zone 0: IPX8 In Zone 1: IPX5 In Zone 2: IPX4.

d. Junction boxes shall not be installed in zones 0 and 1 except in zone 1, where permitted for SELV circuits.

e. In zones 0 and 1, no switchgear and accessories shall be installed.

f. The transformer must be located outside zone 1.

**MSpa® products are designed with reliability and simplicity in mind. In addition, our internal Quality Assurance Team carefully inspects each unit thoroughly before it leaves our facility. Oriental Recreational Products (Shanghai) Co., Ltd. (ORPC) is pleased to extend this limited warranty coverage to the original purchaser of an MSpa® Product. This warranty is not transferable. The warranty period commences on the original purchase date through 6-12 months accordingly.**

**The Limited Warranty**
This warranty is subject to the obligations, limitations and exclusion listed below:
1. Spa pool – **six (6) months** from original date of purchase.
2. Electric Parts (Control Box) – **twelve (12) months** from original date of purchase.
*Report damage after this time will be subject to rejection.

Repair/replacement parts purchased by the consumer from ORPC after the original coverage has expired on the unit will carry a 90 day warranty, valid with a receipt only. Any item shown to be defective will be repaired at our discretion. No labor coverage is included within these parts.

**Shipping Policy:** Consumers are responsible for the shipping/freight when return the defect parts to MSpa authorized service center or ORPC. All subsidized labour costs of removal and reinstallation of parts might be subject to dealer service charges

**Conditions:**
This warranty applies to the original purchaser and terminates upon any transfer of ownership. ORPC's obligation under this warranty is only limited to replacing or repairing at ORPC's option once any part or parts of this unit which in our judgment show evidence of such defect.

All repairs for which warranty claims are made must be pre-authorized by ORPC through an accredited distributor or agent provided that the defective part be returned to the distributor or agent Transportation Prepaid, if requested.

All The authorized selling dealer is responsible for all in-field service work carried out on your MSpa® product. ORPC will not be liable for results or cost of workmanship from unauthorized service persons or dealers.

Warranty Registration is required. Warranty Registration Card can be only filled out by mail. All claims must be submitted to ORPC by authorized selling dealers. It is essential that all submitted claims provide all of the necessary information including customer name, purchase date, serial #, product model, problem, and part or parts requested, without this information the warranty will be invalid.

Warranty Cards must be completed and mailed to ORPC by authorized dealer within thirty (30) days from the original purchase date.

**Limitations on Warranties**
This warranty is a limited warranty. It does not extend to any product or damage to a product caused by or attributable to freight damage, abuse, misuse, or abnormal usage, or repairs not provided by ORPC authorized service personnel, to products used for commercial or rental purpose, or to products used as store display models.

Damages caused by or attributable to the following incidents are specially excluded:
a. Any damage caused by the operation of the spa with water temperatures outside the range of 0°C-42°C/32°F-107.6°F (Europe/Australia) or 0°C-40°C/32°F-104°F (USA)
b. Any damage caused by clogged, dirty or calcified filters
c. Any damage that are purely aesthetic and do not hinder the function of the MSpa
d. Any damage to the exterior resulting from improper maintenance or any damage to the exterior attribut able to freight mishandling
e. Overfilling
f. Damage resulting from improper winterization
g. Damage to the spa liner resulting from improper chemical treatment, damage to the spa resulting from exposure to extreme temperatures.
h. Damage to the spa resulting from exposure to direct sunlight and ultraviolet rays while the spa is empty
i. Damage to the pump, motor, plumbing and components due to improper maintenance, chemical treatment, or exposure
j. Damage resulting from failure to properly follow user's manual installation, operating, or maintenance instructions.

Also exclude are spa accessories (optional), including but not restricted to the following:
* Comfort set (headrests, cup holder)
* Filter cartridge
* Heat preservation mat
* Seat cushion
* Test trip
* Bubble spa overall cover
* Ice box
* Foot bath
* Led light
* Plastic wood step

Any alterations to the spa will void this warranty. Alterations include but are not limited to: any component or plumbing change, electrical conversion, or addition of alternate sanitation or heating systems.

ORPC authorizes no other warranty beyond that specifically set forth above. ORPC is not responsible or liable for indirect, special or consequential damages arising out or in connection with the use or performance of the product or damages with respect to any economic loss, loss of or damage to property including water damage, loss of revenue, loss of enjoyment or use, costs of removal, installation or other consequential damages of whatsoever nature.

No agent, dealer, distributor or Service Company or other party is authorized to change or modify or extend the terms of this warranty.

**Legal Rights**
This warranty gives you specific legal rights and you may have other rights, which vary from country to country.

For warranty service contact, see the MSpa After Service Center Contact List in the User Manual.

**Manufactured By:**
**Oriental Recreational Products (Shanghai) Co., Ltd.**
**1699 Daye Road, Wuqiao, Fengxian**
**Shanghai, China**

| Country | Address/Tel./Fax/E-mail | Country | Address/Tel./Fax/E-mail |
|---|---|---|---|
| Belgium | **ETS LA MINOUCHE S.A.**<br>Phone : **+32.68.44.58.70**<br>Fax : +32.68.44.58.74<br>E-mail : sav@laminouche.com<br>Website : *http://mspabelgium.com*<br>Address : Avenue des Artisans, 35<br>B-7822 Ghislenghien, Belgium | France | **MSPA Service Après-Vente Centre**<br>POOLSTAR SARL<br>ZA, LES PIELETTES<br>13740 LE ROVE, FRANCE<br>Tel. **04 91 46 60 58**<br>Email 1: sav@mspa.fr<br>Email 2: support@mspa.fr |
| Switzerland | **GWM AGENCY**<br>MSpa Service<br>Räffelstrasse 25 CH-8045 Zürich - Switzerland<br>E-mail: mspa@gwm.ch<br>*www.mspafaq.ch*<br>Service Hotline: **0900 455 456**<br>Fax: 044 455 50 65" | Sweden | **Handelshuset AB**<br>Add: Hantverkare gatan 24<br>444 32 StenungsundSweden<br>Tel: **+46 303 80881**<br>Fax : + 46 303 80825<br>Email: info@hahus.se |
| Spain | **PL OCIOTRENDS, S.L**<br>Jijona, 19 - Apartado de Correos 424<br>03420 Castalla (Alicante) Spain<br>Tel: **+34 95 556 19 58**<br>Fax: +34 96 656 10 06<br>E-mail: ociotrends@ociotrends.net<br>Website: *www.themspa.es* | Finland | **Ab Poolspa Oy**<br>Kangastie 7 / Movägen 7<br>68600 Pietarsaari / Jakobstad<br>Finland<br>info@poolspa.fi<br>Mobile: **+358 (0) 40 568 3019**<br>*www.poolspa.fi www.mspa.fi www.the-mspa.fi* |
| Australia | **M-Spa's Australia**<br>PO Box 600<br>Somerville,Victoria 3912<br>Service Phone NO: 1800-SPAHELP<br>Email: service@spasales.com.au<br>Website: *www.spasales.com.au* | South Africa | **MEGAMASTER**<br>*www.megamaster.co.za*<br>info@megamaster.co.za<br>Service Phone NO.: **+27 12 802 1515** |
| New Zealand | **mSpa New Zealand**<br>296 Trig Road, Whitford, Auckland<br>Hot line: **0800 mspa4u (0800 677248)**<br>Webpage: *www.mspa4u.co.nz* | Czech Republic | **Pro prodejn í a poprodejní servis v České Republice a na Slovensk u prosímkontaktujte**<br>HANSCRAFT, s.r.o.<br>E-mail: info@hanscraft.com<br>Tel.: **+420 774 055 672** |
| UK | **Stour Valley Spas Ltd**<br>Unit C, Woodhall House, Woodhall Business Park<br>Sudbury, Suffolk<br>CO10 1WH<br>Phone: **01787882000** | Austria | **Steinbach VertriebsgmbH,**<br>Aistingerstrasse 2, 4311 Schwertberg, Österreich<br>Tel. für Österreich: **(0820) 200 100 150**<br>(0,145€ pro Minute aus allen Netzen)<br>Tel. für Deutschland: **(0180) 5 405 100 150**<br>(0,14€ pro Min. aus dem Festnetz, Mobilfunk max. 0,42€ / Min.)<br>e-mail: service@steinbach.at<br>*www.steinbach.at* |

# MSpa® Warranty Registration Card

Congratulations on purchasing a quality MSpa® product! To get the most value from your investment, please fill in the Warranty Registration Card below. By submitting this form, your warranty will be registered.
**Note: Incomplete form will not to be accepted and honored by MSpa.*

Please fill out the required file with correct info:

*Last Name: _____

*First Name: _____
*Mailing Address 1: _____

Address 2: _____

*City: _____ *State/Province: _____

*Zip/Postal Code: _____*Country:_____ _____

*Phone Number: _____

*Email Address: _____

*Purchase Date: __ __ (mm) __ __(dd) __ __(yyyy) *Product Model: _____

*Serial Number _____ Find the SN# underneath the control panel and on the spa pool cover. e.g. (2GNBUB#####SC##)

*Dealer Where Purchased: _____

*Dealer Store Address: _____

* **Purchase Invoice with purchase date and product model cycled attached:** ☐

**Defect Problem Description:**
Spa Pool Cracking ( ) Control Box ( ) Other Problems, state details in the below ( )

**IMPORTANT:**

- For Spa pool (body) problem – Picture of defect part need to be attached along with the mail-in warranty card and is MANDATORY to claim the warranty
- 
- For electric part(s) or control box problem – Send the control box to your local MSpa Service Center. See the Service Center Contact List in the manual.